APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

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AEC AERE Tr-852

Sci - Phys
Aug 60

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JPRS-2267

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R-5-60 (DC-3288).

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JPRS-L-2017-D

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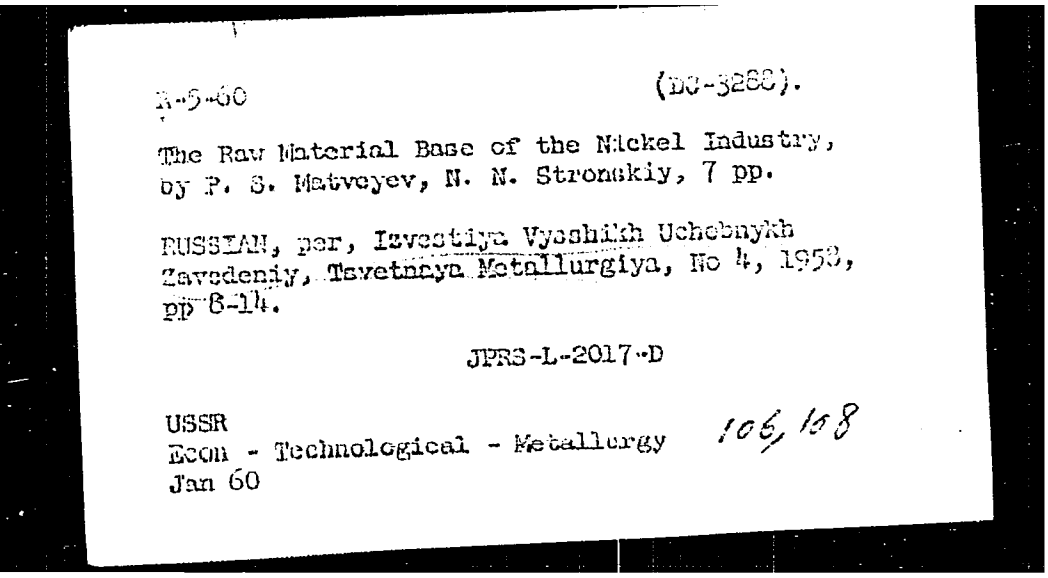

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AFIC MCL-X 212/1
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Sci - Min/Met
Dec 60

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JPRS 2405

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JPRS-2062-N

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Dec 59

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NLL M.3341

Sel - Fuels

Mar 62

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ATIC MCL-213/1
AEC NP-Tr-547

Sci - Chemistry
Dec 60

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

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S-5240 (NY-2658).

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JPRS-1927-N

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Sci - Min/Met
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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

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ATIC MCL-213/1

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Cat. - Chemistry
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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

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Sci - Chem

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Telecom IC 41547

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Sci - Min/Met; Phys

Apr 61

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RUSSIAN, per, Iz Vysshikh Uchob Zaved, Tsvet Met, No 1, 1959, pp 134-138.

DSIR LLL M.839

(loan)

Sel - Min/Met
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SLA 60-13573

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

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MLL M.3342

Sci - Fuels

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HB 4673

Sci - Min/Met

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

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mp 4714

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*NTIS TT 72-53010

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

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OTS 62-13157
NLL M.4m343

Bci - Min/Met
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RUSSIAN, per, Iz Vys Uchab Zaved, Tsvet Metal, No 4, Jul.-Aug 1959, pp 151-152.

JPRS-2267

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

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JPRS-2267

109 366

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Mar 60

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

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RUSSIAN, per, Iz Vyz Ucheb Zaved., Tsvet Metal, No 4, 1959, pp 158-160.

JPRS-2267

109 368

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Kolomitskii, F. M. and Ponomarev, V. D.
ELECTROLYTIC METHOD OF PREPARING TITANIUM FROM ITS DIOXIDE IN MELTS OF THE SYSTEM K_2TiF_6-NaCl (Ob Elektroliticheskom Sposobe Polucheniya Titana iz Dvuokisi v Rasplavakh Sistemy K_2TiF_6-NaCl) tr. by M. Slade. [1962] [16]p. (foreign text included) 2 refs. [CSIRO] Trans. 5494.
Order from OTS or SLA $1.60 62-23715

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Tsvetnaya Metallurgiay (USSR) 1959, v. 2, no. 5, p. 106-112.

DESCRIPTORS: *Titanium, Titanium compounds, *Dioxides, *Fluorides, *Chlorides, *Alkaline earth metals, Melting, Preparation, *Electrolysis, Potassium compounds, Sodium compounds.

(Chemistry--Physical, TT, v. 8, no. 3) (over)

62-23715

I. Kolomitskii, F. M.
II. Ponomarev, V. D.
III. CSIRO Trans-5494
IV. Commonwealth Scientific and Industrial Research Organization (Australia)

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

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(NY-3001/12).

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JPRS 5658

128,163

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Econ - Technological - Nonferrous Metals
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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

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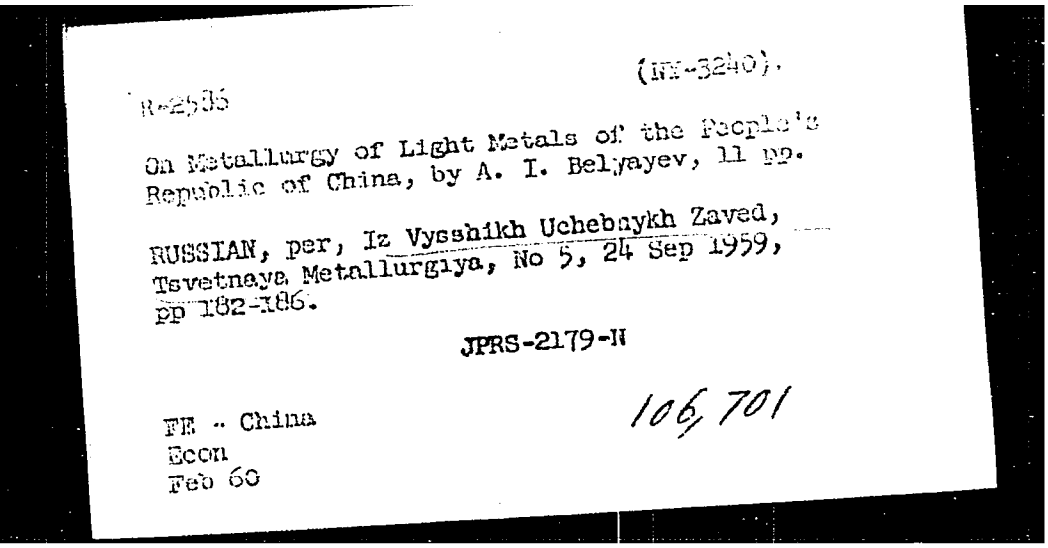

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R-2535

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JPRS-2179-N

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FE - China
Econ
Feb 60

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(NY - 3240).

R-2586

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RUSSIAN, per, Iz Vysshikh Uchebnykh Zavedniy, Tsvetnaya Metallurgiya, No 5, 24 Sep 1959, pp 186-187

*JPRS

FE - China
Econ
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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

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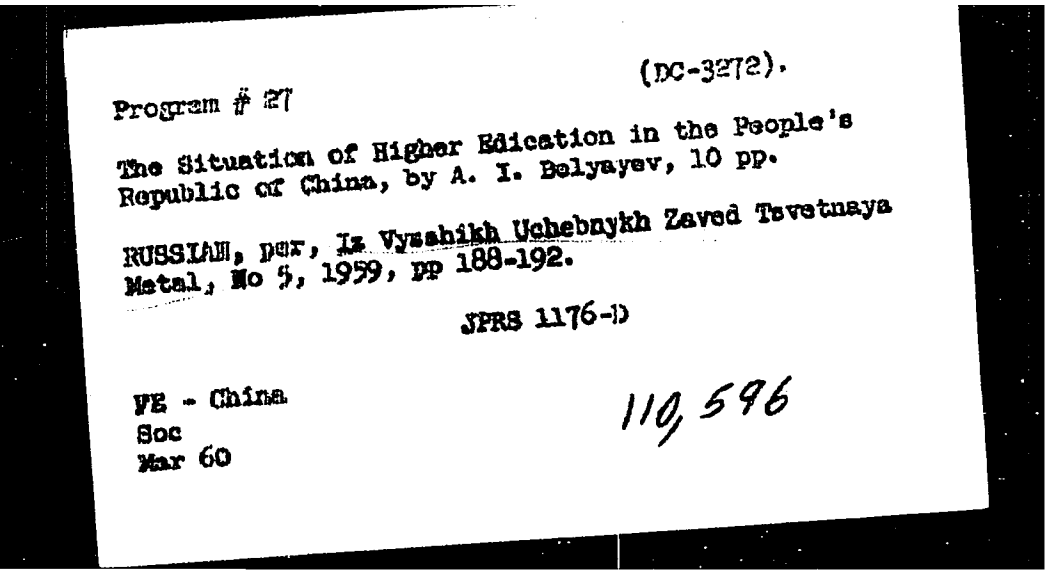

(DC-3272).

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JPRS 1176-D

FE - China
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Mar 60

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

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JPRS 1176-D

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JPRS 2978

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Electrochemical Study of the Interaction of Metallic Iron with Liquid Slags, by S. E. Vaysburd, V. L. Kheyfets.
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(IT-3031/1)

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JPRS 2978
(REVERSE TRANS IN FRENCH)
075, 62-26482
121, 376.2

UESR
Econ - Technological
Aug 60

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

Obtaining Tellurous Concentrate From the Melts of Alkali Lead-Refining, by V. S. Lovchikov, B. M. Lipshits, 9 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Tsvet Metal, No 6, 1959, pp 93-98.

JPRS 2978

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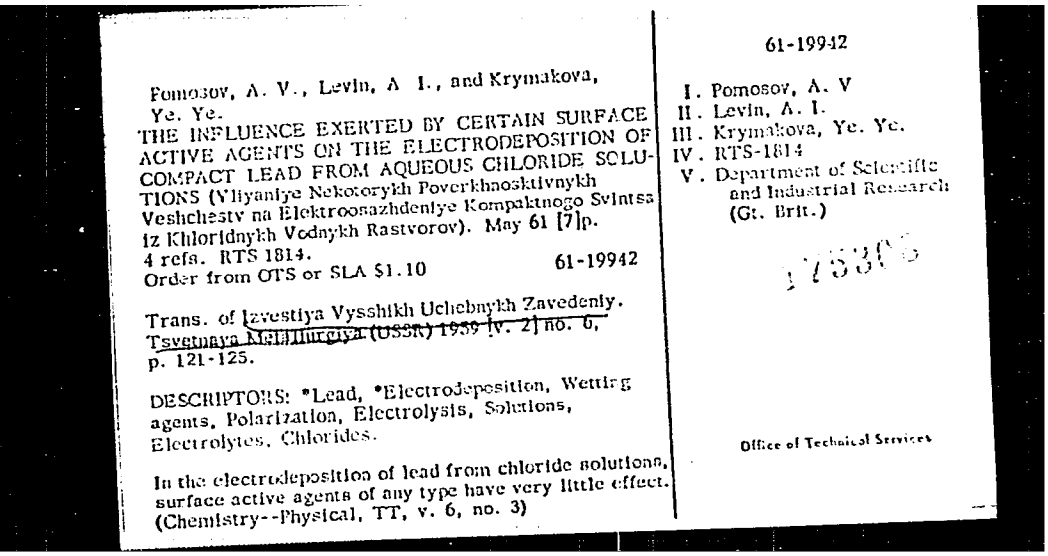

Pomosov, A. V., Levin, A. I., and Krymakova, Ye. Ye.
THE INFLUENCE EXERTED BY CERTAIN SURFACE ACTIVE AGENTS ON THE ELECTRODEPOSITION OF COMPACT LEAD FROM AQUEOUS CHLORIDE SOLUTIONS (Vliyaniye Nekotorykh Poverkhnosktivnykh Veshchestv na Elektroosazhdeniye Kompaktnogo Svintsa iz Khloridnykh Vodnykh Rastvorov). May 61 [7]p.
4 refs. RTS 1814.
Order from OTS or SLA $1.10 61-19942

Trans. of Izvestiya Vysshikh Uchebnykh Zavedeniy. Tsvetnaya Metallurgiya (USSR) 1959 [v. 2] no. 6, p. 121-125.

DESCRIPTORS: *Lead, *Electrodeposition, Wetting agents, Polarization, Electrolysis, Solutions, Electrolytes, Chlorides.

In the electrodeposition of lead from chloride solutions, surface active agents of any type have very little effect. (Chemistry--Physical, TT, v. 6, no. 3)

61-19942

I. Pomosov, A. V
II. Levin, A. I.
III. Krymakova, Ye. Ye.
IV. RTS-1814
V. Department of Scientific and Industrial Research (Gt. Brit.)

17838

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

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RUSSIAN, per, Iz Vyashikh Uchab Zaved, Tsvetnaya Metal, Vol II, No 6, 1959, pp 126-132.

OTS 62 27850

Sci
Mar 62

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Vol VII, No 2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

Influence of Cold Deformation on the Properties of Alloys ~~xxxx~~ of the System Al-Cu and Al-Cu-Mg in the Artificially Aged State, by Z. A. Sviderskaya.

RUSSIAN, per, Iz Vysshikh Uchab Zaved, Tsvet Metall, No 6, 1959, pp 158-161.

MLL M.4344
OTS 62-13140
193,811

Sci - Min/Met

Apr 62

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

Spasskii, A., Fomin, A., and Aleinikov, S.
THERMAL TREATMENT OF LIQUID METALS AND ITS EFFECT ON THE MECHANICAL PROPERTIES OF CASTINGS. [1961] 5p.
Order from ATS $9.50 ATS-25N56R

Trans. of [Izvest[iya] Vysshikh Ucheb[nykh] Zavedenii. Tsvetnaya Met[allurgiya] (USSR) 1959 [v. 2] no. 6, p. 162-165.

DESCRIPTORS: *Liquid metals, Heat treatment, *Castings, Mechanical properties.

RJ-3347

(Metallurgy, TT, v. 7, no. 5)

62-12348
I. Spasskii, A.
II. Fomin, A.
III. Aleinikov, S.
IV. ATS-25N56R
V. Associated Technical Services, Inc., East Orange, N. J.

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(NY-3001/7)

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RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Tsvet Metal, No 6, 1959, pp 185-194.

JPRS 2978

USSR
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Aug 60

121,357

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

The Effect of Polyvalent Metal Salts on the Flotation of Non-Sulphide Minerals Using Sodium Alkyl-Sulphate, by S. I. Pol'kin, G. M. Shapovalov.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Tsvetnaya Metal, No 1, 1960, pp 29-34.

DSIR LLU RTS 1615

Sci - Chem

Oct 60

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16 (TT-[illegible])

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JPRS 2991

Sci - Min/Metals

Aug 60

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18 (NY-4265)

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RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Tsvet Metal, No 1, 1960, pp 165, 166.

JPRS 5067

Sci - Engr - Metal

Aug 60

121,834

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

Kalmakov, A. A.
THE USE OF A GOLD ELECTRODE AS AN INDICATOR FOR SOME FLOTATION REAGENTS. [1961] [4]p. 4 refs. Warren Spring Lab. Trans. NT. 820; DSIR LLU M. 3060.
Order from OTS or SLA $1.10 61-27559

Trans. of Izv[estiya] Vyssh[ich] Ucheb[nykh] Zaved[enii]. Tsvetnaya Metallurgiya (USSR) 1960 [v. 3] no. 2, p. 40-42.

DESCRIPTORS: *Flotation, *Reagents, Xanthogenates, Cyanides, Sodium compounds, Sulfides, Determination, *Gold, *Electrodes, Electrochemistry.

(Metallurgy, TT, v. 6, no. 9)

61-27559

I. Kalmakov, A. A.
II. DSIR NT-820
III. DSIR LLU M. 3060
IV. Department of Scientific and Industrial Research (Gt. Brit.)

185593

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

Denisov, S. I.
THE DRESSING OF ARSENIC-COBALT ORES BY CHLORINATION. [1961] [5]p. 3 refs. Warren Spring Lab. Trans. NT821; DSIR LLU M. 3127.
Order from OTS or SLA $1.10 61-27535

Trans. of Izv[estiya] Vyssh[ikh] Uchebn[ykh] Zaved[enii]. Tsvetnaya Metallurgiya (USSR) 1960 [v. 3] no. 2, p. 69-73.

DESCRIPTORS: Arsenic, Cobalt, *Ores, Processing, Chlorination

Processing of arsenic-cobalt ores by chlorination with gaseous chlorine is possible in principle. The most easily chlorinated ores are the arsenide and arsenide-arsenate cobalt ores; the oxidised (arsenate) ores and slightly more difficult. The optimum chlorination temperature for arsenide and arsenide-aresnate ores (Metallurgy, TT, v. 6, no. 9) (over)

61-27535

I. Denisov, S. I.
II. DSIR NT-821
III. DSIR LLU M. 3127
IV. Department of Scientific and Industrial Research (Gt. Brit.)

25590

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

The Recovery of Gallium From Aluminium Plant Waste, by N. I. Yeremin.

RUSSIAN, per, Iz Vysshikh Uchab Zaved, Tsvetnaya Metal, No 2, 1960, pp 108-112.

MLL M. 31.00

Sci - Min/Metals

Apr 62

189,820

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

The Advisability of Employing Oxygen Enriched Air for Reverbatory Smelting, by A.M. Davidson.

RUSSIAN, per, Iz VUZ Tsvet Metal, No 2, 1960, pp 132-134.

Primary Sources
CR-3201

Sci - Chem
Jul 61

159, 941

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

Eremin, N. I.
THE RECOVERY OF GALLIUM FROM ALUMINIUM PLANT WASTE. [1961] [6]p. 8 refs. Warren Spring Lab. Trans. NT822: DSIR LLU M. 3100.
Order from OTS or SLA $1.10 61-27543

Trans. of Izv[estiya] Vyssh[ikh] Ucheb[nykh] Zaved[enii]. Tsvetnaya Metallurgiya (USSR) 1960 [v. 3] no. 2. p. 108-112.

DESCRIPTORS: *Gallium, Recovery, *Aluminum, Flotation, Processing, Ash, Chemical waste, Electrolysis, Coal, Cryolite, Chemical engineering.

The direct recovery of gallium from coal skimmings by this method, under laboratory conditions, was 80-82%. (Author)

(Metallurgy, TT, v. 6, no. 10)

61-27543

I. Eremin, N. I.
II. DSIR NT-822
III. DSIR LLU M. 3100
IV. Department of Scientific and Industrial Research (Gt. Brit.)

7355

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

Investigation of Solubilities of Chromium, Molybdenum, and Tungsten in Aluminum by the Microhardness Method, by V. N. Vigdorovich, RUSSIAN, per, Izv. VUZ Tsvetn. Met., No 2, 1960, pp 143-146.
AEC SC-T-66-0723

Sci-Mech
May 67

326,225

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

13 (NY-4098)

The Effect of Ternary Intermetallic Compounds on the Heat Resistance of Deformed Aluminum Alloys, by B. K. Vul'f, M. N. Chernov, 10 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Tsvet Metall, No 2, 1960, pp 147-152.

JPRS 2953

Sci - Min/Met

Jul 60

121,508

(NY-2850)

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

ELECTROLYTIC REFINING OF NICKEL INSULPHATE-CHLORIDE AND CHLORIDE SOLUTIONS, BY A. I. ZHURIN.

RUSSIAN, PER, IZ VYSSHIKH UCHEB ZAVED TSVET METAL, VOL III, NO 3, 1960, PP 54-61.

NLL M.2503

SCI - M/M

JUN 62 199,157

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

Kuznetsov, S. I., Derevyankin, V. A. and Shabalina, O. K.
THE PROBLEM OF THE DECOMPOSITION OF ALUMINATE SOLUTIONS UNDER THE ACTION OF ADDITIONS OF ALUMINUM SALTS AND OXALIC ACID. [1960] 5p.
Order from ATS $8.45 ATS-56M46R

Trans. of Izvest[iya] Vysshikh Ucheb[nykh] Zaved[eniy]. Tsvetnaya Metallurgiya (USSR) 1960, v. 3, no. 4, p. 65-68.

148,660

(Metallurgy, TT, v. 5, no. 7)

61-12681

1. Aluminates--Decomposition
2. Oxalic acid--Chemical effects
I. Kuznetsov, S. I.
II. Derevyankin, V. A.
III. Shabalina, O. K.
IV. ATS-56M46R
V. Associated Technical Services, Inc., East Orange, N. J.

ATS/RJ-2960

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

Papp, Ye.
LOSSES OF SODIUM OXIDE IN THE PRODUCTION OF ALUMINA BY THE BAYER METHOD. [1960] 7p.
Order from ATS $11.95 ATS-57M46R

Trans. of Izves[iya] Vyashikh.Ucheb[nykh]. Zaved[eniy]. Tsvetnaya Metallurgiya (USSR) 1960, v. 3, no. 4, p. 69-75.

151518
RT-3331

(Engineering--Chemical, TT, v. 5, no. 8)

61-12757

1. Aluminum oxides--Production
2. Sodium oxides--Determinatio
3. Title: Bayer process
I. Papp, Ye.
II. ATS-57M46R
III. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

Kusenko, F. G., and Gel'd, P. V.
SOME PROPERTIES OF NbO_2. [1962] [8]p. 9 refs.
Order from OTS or SLA $1.10 63-15133

Trans. of Izvestiya Vyashikh Uchebnykh Zavedenii. Tsvetnaya Metallurgiya (USSR) 1960 [v. 3] no. 4, p. 102-106.

DESCRIPTORS: *Niobium compounds, *Oxides, *Heat transfer, Calorimeter, Temperature, Electrical conductance, Thermal expansion, Phase transitions.

An investigation was made of the heat content of NbO_2 in the temperature range from 298° to 1500°K. Equations are proposed for the temperature dependence of the heat content and heat capacity of NbO_2. Measurements of the heat content, electrical conductivity, and coefficient of thermal expansion established the fact that NbO_2 undergoes a phase transition in the vicinity of 1040°K. (Author)
(Physics--Thermodynamics, TT, v. 9, no. 12)

63-15133

I. Kusenko, F. G.
II. Gel'd, P. V.
III. Translations, New York

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

Pogorelyi, A. D. and Morozova, N. K.
THE BEHAVIOR OF GERMANIUM DISULFIDE AT HIGHER TEMPERATURES. [1962] [11]p.
Order from OTS or SLA $1.60 63-15314

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Tsvetnaya Metallurgiya (USSR) 1960 [v. 3] no. 4, p. 113-121.

DESCRIPTORS: *Ores (Metal sources), Processing, *Germanium compounds, Sulfides, Crystals, Preparation, Physical properties, Calorimetry, Vapor pressure, Dissociation, High temperature research.

A procedure has been developed for preparing air-stable crystalline GeS_2, and the melting point and some other characteristics of the crystals have been determined. The variation of the saturation vapor pressure of GeS_2 with temperature has been determined through-
(Metallurgy--Nonferrous Metals, TT, v. 10, no. 2)
(over)

63-15314

I. Pogorelyi, A. D.
II. Morozova, N. K.
III. Translations, New York

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

and Properties of Aluminum Compounds, by
N.I. Varich, K.Ye. Kolesnichenko.
RUSSIAN, per, Izv. Vyssh. Ucheb. Zaved. Tsvetn.
Met, Vol 3, No 4, 1960, pp 131-136. 9232892
AEC SC-T-66-0725

Sci/M&M
Jun 66

301,148

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

Puchkov, B. I., Rakhshtadt, A. G., and Rogel'berg, I. L.
INVESTIGATION OF THE RELAXATION OF COPPER SPRING ALLOYS. [1961] 14p. 13 refs.
Order from OTS or SLA $1.60 62-10082

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Tsvetnaya Metallurgiya (USSR) 1960 [v. 3] no. 4, p. 145-152.

DESCRIPTORS: *Springs, *Copper alloys, Relaxation time, Temperature, Heat treatment, Stresses, *Elasticity.

Results are given of investigations of strain relaxation in standard brands of copper alloys used for spring materials. From the alloys hardened by cold working the highest relaxation resistance is observed at 200-350° for German silver 15-20 (copper-zinc-nickel
(Mechanics, TT, v. 7, no. 9) (over)

62-10082

I. Puchkov, B. I.
II. Rakhshtadt, A. G.
III. Rogel'berg, I. L.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

Sokolov, O. K., and Belyaev, A. I.
FREE ENERGY AND MECHANISM OF FORMATION OF THE COORDINATION COMPOUND $NaMgF_3$.
[1962] [9]p. 12 refs.
Order from OTS or SLA $1.10 63-15457

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Tsvetnaya Metallurgiya (USSR) 1960 [v. 3] no. 5, p. 72-78.

DESCRIPTORS: Synthesis, *Complex compounds, Cryolite, *Sodium compounds, *Magnesium compounds, *Fluorides, Entropy, Heat of formation, Chemical reactions, Metallurgy.

(Chemistry--Physical, TT, v. 9, no. 12)

63-15457

I. Sokolov, O. K.
II. Belyaev, A. I.
III. Translations, New York

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

Investigation of Fused Salts by Means of R dioactive Radiation, by A. I. Belyayev, 16 pp.

RUSSIAN, per, Izvestiya VUZ, Tsvetnaya Metallurgiya, No 6, 1960, pp 46-54. 9676277

FTD-TT-62-46

192, 690

Sci - Min/Met

Apr 62

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

Thermodynamics of Zirconium and Hafnium Chlorides, by L. P. Ruzinov, S. F. Belov, 14 pp.

RUSSIAN, Iz Vysshikh Uchab Zaved, Tsvetnaya Metal, No 6, 1960, pp 104-113. 9672118

FTD-TT-61-75

Sci - Min/Metal

180, 284

23 Jan 62

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

Investigation of Interaction of Thorium Chloride With the Chlorides of Magnesium, Calcium, Cerium, Aluminum, Iron, Tantalum and the Oxychloride of Niobium in Melts, by B. G. Korshunov, V. I. Ionov, T. A. Baklanshova, V. V. Kokarev.
RUSSIAN, per, Izv. Vysshikh Uchebn. Zaved, Tsvetn. Met, No 6, 1960, pp 114-118.
*AEC TS Tr-56

Sci - Chemistry
Nov 67

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

(SF-1687)

Fifth All-Union Conference on the Analysis of Noble Metals, by S. K. Shabarin, 4 pp.

RUSSIAN, per, Iz V.U.Z. Tsvetnaya Metal, No 6, 1960, pp 165-166.

JPRS 4525

150,441

Sci - Min/Met

May 61

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

CR-284-62

Ivan Antonovich Ostroushko, On the Occasion of his 60th Birthday, 3pp

RUSSIAN, per, Izvestiya Vysshikh Uchebnykh Zavedenii: Tsvetnaya Metallurgiya, Vol I, No 5, ~~xxx198-200~~ 1961, pp 198-200.

*JPRS/NY-7398

USSR - Biog
Feb 63

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

A METHOD OF BRIQUETTING ALUMINUM POWDER, BY
V. A. SHELAMOV, 10 PP.

RUSSIAN, PER, IZ VYSSHIKH UCHEBNYKH ZAVEDENIY,
TSVETNAYA METALLURGIA, NO 1, 1961, PP 134-139.

JPRS 18186

SCI - MAT - MET

MAR 63

225,520

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

Lainer, V.I. and Sukhachev, S.V.
ELECTROPLASTIE DU TITANE (Gal'vanicheskoe Pokrytie Titana) (Electroplating of Titanium). 14p. 9refs. CNRS-XVII 563.
Order from OTS, ETC or CNRS $0.80 TT-62-28216

Trans. in French of Izvestiya Vysshikh Uchebnykh Zavedenii, Tsvetnaya Metallurgiya (USSR) 1961, 0.4, no.1, p.140, 146.

DESCRIPTORS: *Titanium, *Electroplating, Thin films, Glycols, Ethylenes, Zinc compounds, Fluorides, Hydrogen compounds, Copper coatings, Chromium plating, Nickel plating.

(Metallurgy--Light Metals, TT', v. 11, no. 7)

TT-62-28216

I. Lainer, V.I.
II. Sukhachev, S.V.
III. CNRS-XVII 563
IV. Centre National de la Recherche Scientifique, Paris

Office of Technical Services
European Translations Centre

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

Equilibria in the Nb - C - O System, by F. G. Kusenko, P. V. Gel'd, 9 pp.

RUSSIAN. per, Iz Vysshikh Ucheb Zaved, Tsvet Metall., No 2, 1961, pp 43-52. 9095539

AEC Tr-4867

Sci - Chem
Mar 62

186,509

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

Etude Du Procede De La Production Du Carbonate Basique De Beryllium, by V. I. Ganopolsky, M. A. Kolenkova, et al, 11 pp

RUSSIAN to FRENCH, per, Tsvet. Metallurgy. Izvest. Vyssh. Uchen. Zaved., S.S.S.R., Vol III, 1961, pp 75-80. 9069333

CEA R -1567
Reverse Translation

Sci
Dec 62

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

EXTRACTION OF GOLD, PLATINUM AND PALLADIUM WITH ISOAMYL ALCOHOL, BY G. S. LOPATIN, I. N. PLAKSIN.

RUSSIAN, PER, IZ VYSSHIKH UCHEB ZAVED TSVETNAYA METAL, VOL IV, NO 4, 1961, PP 87-90.

NLL M.3498

SCI - M/M

JUN 62 199,101

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

Se, Ui-yu and Turkovsaya, A. V.
CORROSION OF COPPER NICKEL ALLOYS IN SEA WATER. [1963] [7p] 5refs C. E. Trans. 2805.
Order from OTS or SLA $1.10 63-24085

Trans. of [Izvestiya Vysshikh Uchebnykh Zavedenii]. Tsvetnaya Metallurgiya (USSR) 1961, v. 4 [no. 4] p. 145-148.

DESCRIPTORS: Sea water, *Nickel alloys, *Copper alloys, *Corrosion.

A study was made of the corrosion and electrochemical behaviour of copper nickel alloys in sea water. It is shown that when the alloy contains about 20% of nickel a resistance threshold is exhibited and at this point the properties of the alloy change abruptly. Measurement of the potentials of cleaned specimens shows that the occurrence of a resistance threshold is the result of an increase in the degree of passivation of the alloy. (Author)

63-24085

I. Se, Ui-yu
II. Turkovsaya, A. V.
III. CE Trans-2805
IV. Central Electricity Generating Board (Gt. Brit.)

(Metallurgy--Corrosion, TT, v. 10, no. 12)
Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

Investigation of the Process of Anodic Dissolution of Crude Nickel, by B. V. Lipin, O. P. Kalganova.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Tsvet Metal, Vol IV, No 5, 1961, pp 81-89.

NLL M. 3646

Sci - min/metals

Aug 62

201, 187

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

Two Stage Counter-flow Reprocessing of Cu/Cd Precipitates, by I. I. Daliyev.
RUSSIAN, per, Izv VUZ Tsvet Metall, Vol 4, No 5, 1961, pp 101-109.
EZ

Sci-Materials
Dec 69

398,206

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

Remen, T. F., Kheifets, V. L., and Vaisburd, S. E. THE ACTIVITY OF METALS IN THE BINARY SYSTEMS Fe-S, Co-S AND Ni-S. [1962] 8p.
Order from ATS $1.3.85 ATS-31P60R

Trans. of Izvest[iya] Vysshikh Ucheb[nykh] Zavedenii. Tsvetnaya Metallurgiya (USSR) 1961, v. 4, no. 6, p. 58-64.

DESCRIPTORS: *Iron alloys, *Cobalt alloys, *Nickel alloys, *Sulfur, Metals, Metallurgical analysis.

(Metallurgy, TT, v. 8, no. 4)

62-17707

I. Remen, T. F.
II. Kheifets, V. L.
III. Vaisburd, S. E.
IV. ATS-31P60R
V. Associated Technical Services, Inc., East Orange, N. J.

ATS RJ-4125

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

The Activity of Iron in Fe-Ni-S Melts,
by S. Ye. Vaisburd.
RUSSIAN, per, Izv VUZ Tsvet Met, Vol 5,
No 1, 1962, pp 59-67.
NLL Ref: 9022.4 (68/196)

Sci-Mat
Mar 69 377,030

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

Calculation of Viscosity in Molten Salts (Oxides), by O. K. Sokolov.
RUSSIAN, per, Izvestiya Vysshikh Uchebnykh Zavedeniy, Tsvetnaya Metallurgiya, Vol 5, No 1, 1962, pp 89-93. 9232222
NASA TT F-416

Sci/M&M
Apr 66

298,874

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

Vatrushin, L. S.
SPREAD DURING FLAT ROLLING OF COPPER.
[1963] 9p.
Order from ATS $9.75 ATS-29Q71R
+ ATS AT-4124

Trans. of Izv[estiya] Vysshikh Ucheb[nykh] Zaved[enii]. Tsvetn[aya] Met[allurgiya] (USSR) 1962, v. 5, no. 1, p. 142-149.

DESCRIPTORS: *Copper, Mechanical working, Rolling mills, Deformation

OTS AEC-tr-6411

(Metallurgy--Nonferrous Metals, TT, v. 11, no. 2)

TT-63-22330

I. Vatrushin, L. S.
II. ATS-29Q71R
III. Associated Technical Services, Inc., East Orange, N. J.

* AEC-Tr-6411
(922354)

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

Perlin, I. L.
CONCERNING THE POWER OF THE MILL MOTOR AND THE METAL PRESSURE DURING ROLLING BETWEEN SMOOTH ROLLS. June 62, 8 refs.
Order from PS $7.90 PS CR-4027

Trans. of Izv[estiya] V[yssshikh] U[chebnykh] Z[avedenii]. Tavetnaya Metallurgiya (USSR) 1962, [v. 5] no. 2, p. 124-128.

DESCRIPTORS: *Rolling mills, *Metals, Power, Pressure, Mathematical analysis.

(Metallurgy, TT, v. 8, no. 5)

62-17981

I. Perlin, I. L.
II. PS CR-4027
III. Primary Sources, New York

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830040-0

WETTING AND IMPREGNATION OF BRIQUETTES OF TITANIUM AND ZIRCONIUM NITRIDES BY MOLTEN COBALT AND NICKEL, BY L. V. BEYLINA, X I. P. KISLYAKOV, 7 PP.

RUSSIAN, PER, IZ VYSSHIKH UCHEB ZAVED, TSVETNAYA METALLURGIYA, NO 3, 1962, PP 129-134.

JPRS 18407

SCI-MATERIALS & METALLURGY
APR 63

226,894

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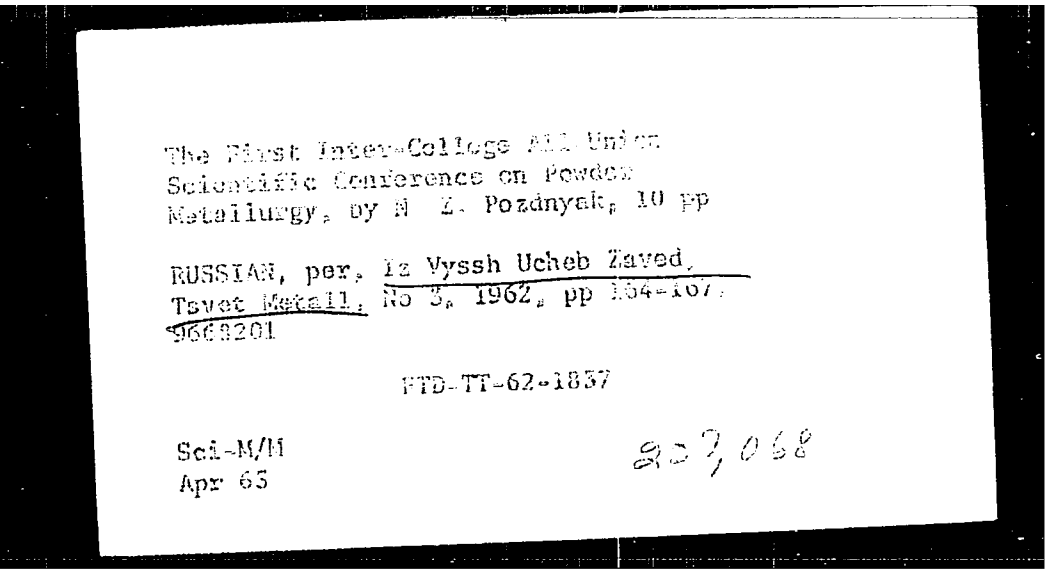

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Khan, G. H., Fed'kovskii, I. A., and Smirnov, V. V. ON THE PROBLEM OF THE OXIDISABILITY OF MOLYBDENITE DURING FLOTATION (K Voprosu Okislyaemosti Molibdenita pri Flotatsii) tr. by J. W. Palmer. May 63 [9p] 11refs RAE Library trans. no. 1036.
Order from OTS, SLA, or ETC $1.10 TT-63-23613

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Tsvetnaya Metallurgiya (USSR) 1962 [v. 5] no. 4, p. 54-59. (Abstract available)

DESCRIPTORS: *Ores (Metal sources), *Molybdenum compounds, *Sulfides, Oxidation, *Flotation (Separation).

An investigation is described of some of the factors affecting the oxidation of molybdenite under conditions relevant to the flotation of the mineral. Results show that up to 0.1% molybdenite dissolves in distilled water. (Engineering--Chemical, TT, v. 11, no. 6) (over)

TT-63-23613

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II. Fed'kovskii, I. A.
III. Smirnov, V. V.
IV. RAE Trans-1036
V. Royal Aircraft Establishment (Gt. Brit.)

NLL 5207
1963 (1036)

Office of Technical Services

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Translation of 1963, Vol. 6, Nos. 1-6
Order from: National Technical Information
Service
5285 Port Royal Road
Springfield, Virginia 22151
$ 3.00 single issues

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